

ABSTRACT OF THE DISCLOSURE

A Y selection line for write for controlling operations of a column selection switch within a write amplifier and a Y selection line for read for controlling operations of a column selection switch within a read amplifier are provided individually and the column selection switch within the read amplifier is set to the non-operating condition during the write operation. Accordingly, a through-current during the write operation may be reduced. In this case, the write IO line and read IO line are allocated crossing sense amplifier columns, while the column selection line for write and column selection line for read are allocated in parallel to the sense amplifier columns.